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Sustainable Architecture

January 25, 2007

Mr. Charles Terreni  
South Carolina Public Service Commission  
PO Box 11649  
Columbus, SC 29211

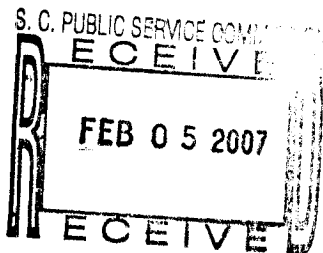
Design with the environment in mind

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Posted:

Dept:

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Re: SC Public Service Commission Docket 2005-383-E  
Order No. 2006-680

Dear Mr. Terreni,

I am writing in support of True Net Metering, allowing meters to spin forward and backward to facilitate solar and wind electric generation. I have many clients who want to put PVs on their homes and businesses but without net metering, it is not cost effective.

This will benefit the State of South Carolina, the Nation, and the world for the following reasons:

1. **Coal and oil fired electrical generation is responsible for 52% of the worlds CO<sub>2</sub> emissions.** Whereas solar and wind electric generation is entirely non-polluting producing **NO greenhouse gasses.**
2. Over 21 Billion Dollars are spent annually on asthma, which is severely exacerbated by air pollution.
3. There are enough roof and south facing walls in the state to provide all our electrical needs.
4. Net Metering will make the cost of solar and wind generation cost effective, allowing many more individuals and business to install systems.
5. The systems that meet IEEE & IREC Standards are safe and produce electricity with a true sine wave that will not compromise the power on the grid. They will automatically disconnect from the grid when the grid is down.
6. It is more efficient to produce power where it is needed, rather than remotely, where 3 times the amount of need must be produced due to energy loss.
7. Solar generation is at its peak during peak demand.
8. Solar and wind generation will offset the need for new coal plants producing even more greenhouse gasses. **At the current rate of growth, the US will need 40 more coal fired power plants** in the next twenty years, unless alternate methods, such as wind and solar are used, or need is reduced.

I urge you to adopt net-metering and let South Carolina stand with those who want to keep our environment healthy.

Respectfully,

Bob Bourguignon, AIA, LEED AP